An Advanced Programmable Multifunctional GSM Auto-Dialer GSM Alarm Panel In The Worldwide!

GSM Alarm

KING PIGEON

User Manual

S100Pro

Ver 1.0

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Table 1. S100Pro Installation Schedule
Table 2. S100Pro Program and Operation Code List

This handbook has been designed as a guide to the installation and operation of GSM Alarm System S100Pro Statements contained in the handbook are general guidelines only and in no way are designed to supersede the instructions contained with other products.
We recommend that the advice of a registered electrician be sought before any Installation work commences.
The manufacturer, its employees and distributors, accept no liability for any loss or damage including consequential damage due to reliance on any material contained in this handbook.
The manufacturer, its employees and distributors, accept no liability for GSM Network upgrading or SIMCard upgrading due to the technology specifications contained in this handbook.

SMS Command List

SMS COMMAND	Functions & Actions	Very Important! Please fill the Installation Schedule at the last page before programming it.
AA	To arm, in this mode, any detector triggered will alarm.	
BB	To disarm, in this mode, detector triggered will not alarm.	
CC	To switch ON the Siren output.	
DD	To switch OFF the Siren output	
EE	Inquiry the Status.	

The commands should plus Password, the format is Password+SMS Command. i.e.: if the password is 1234, then you can send 1234AA to arm, 1234BB to disarm, the AA~EE must be Caps Lock.

1. Brief introduction

The GSM Alarm System S100PRO is a cost effective, reliability, multi-functions, metallic pigment luxury appearance, and user friendly Home Security Alarm System. It integrated quad-band GSM module inside, voice broadcast for settings and operations, two way voice communication, AC power and backup battery status monitoring, LCD display, 8 wired zones and 96 wireless zones for different detection requirements, multi-modes for Stay, Away, SOS and 24 hours, timer to armed or disarmed, supports auto-dial 6 numbers and send SMS Alarm alert to 4 mobile numbers once alarm occurrence.

In one word, the GSM Alarm System S100Pro includes almost all useful functions and features of the alarm systems in the worldwide markets. Also it with innovative and experienced functions and features to meet the required and potential demands. Like smart phone apps iOS ikeypad, Android Apps ikeypad and so on.

2.Safety Directions

Safe Startup
Do not use S100Pro when using GSM equipment is prohibited or might bring disturbance or danger.

Interference
All wireless equipment might interfere network signals of S100Pro and influence its performance.

Avoid Use at Gas Station

Do not use S100Pro at a gas station. Power off S100Pro when it near fuels or chemicals.

Power it off near Blasting Places

Please follow relevant restrictive regulations. Avoid using the device in blasting places.

Reasonable Use

Please install the product at suitable places as described in the product documentation. Avoid signal shielded by covering the mainframe.

Use Qualified Maintenance Service

Maintenance can be carried out only by qualified maintainer.

3. Standard Packing List

S100ProX1
AC/DC Adaptor X1
Remote Control X2
Wireless Door Contact X1
Wireless PIR DetectorX1
User Manual X1
GSM Antenna x 1 inside.
*The Android Apps please download from www.GSMalarmsystem.com Download page, the iKeypad please download from Apple Store for iPhone.

Optional Accessories: (Wired Sensors or wireless detectors)

PIR Motion Sensor, Glass Break Sensor, Magnetic Window Sensor, Temperature Sensor, Infrared Beam Fence, Vibration sensor, Siren.

4. Mainly Features

- GSM Frequency: Quad-Band (850/900/1800/1900Mhz) ;
- Supports Away, Stay or disarmed, SOS by remote control or keyboard;
- Supports Away, disarmed,switch on or off Siren by SMS Commands or smart apps;
- Supports Away,Disarmed, switch on or off siren, listen onsite by call in;
- Automatically send SMS Alert to 4 mobile phone numbers and dial to 6 telephone number once alarm occurrence;
- Supports 96 Wireless Zones and 8 wired zones for different detection requirements;
- Voice broadcast for programming and operations;
- 10 seconds recordable voice can be played once call out caused by alarm occurrence;
- 40 Alarm Records for user review;
- Learning code for programming wireless detectors;
- Supports Timer for automatically arm or disarm the system;
- Supports armed delay to give enough time to you go out the home, the delay time is editable by user;
- The Keypad can use as a dialer, the functions like the telephone;
- Standby internal rechargeable battery which can last 12 hours;
- AC Power and backup battery status monitoring and alert by SMS;

- Based on the GSM communication network and Operation Menu Display technology, apply to wide range situations.

5. Installation and Connection Diagram

Tips:

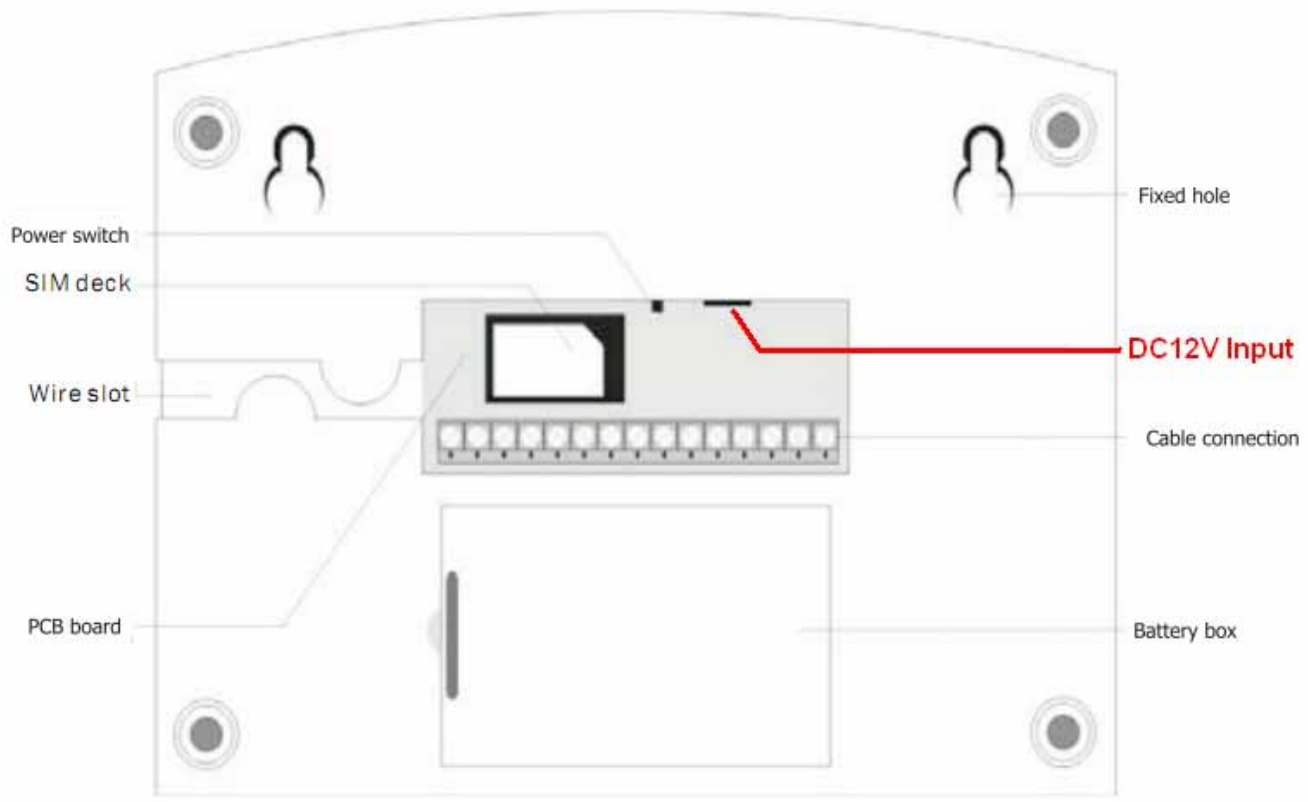
a. The Relay output Ports useless, reserved for future.

5.1 Alarm Host Diagram

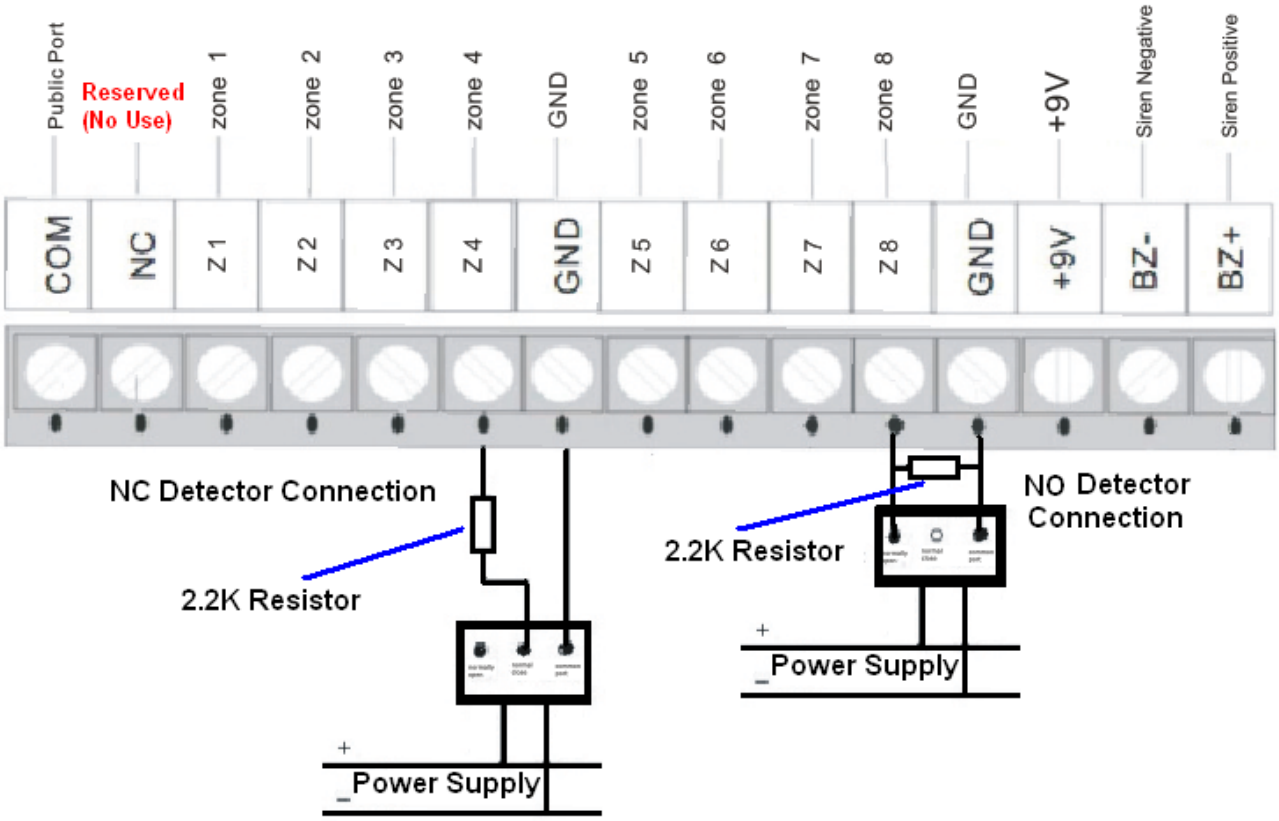
The host shall be installed in the centre of the prevent site which could realize best receiving effect from all wireless detectors. Please note that keep the host away from large-sized metallic objects and home appliances producing high-frequency interference; Meanwhile avoid steel-reinforced concrete and fire-proof doors.

Panel schemes:

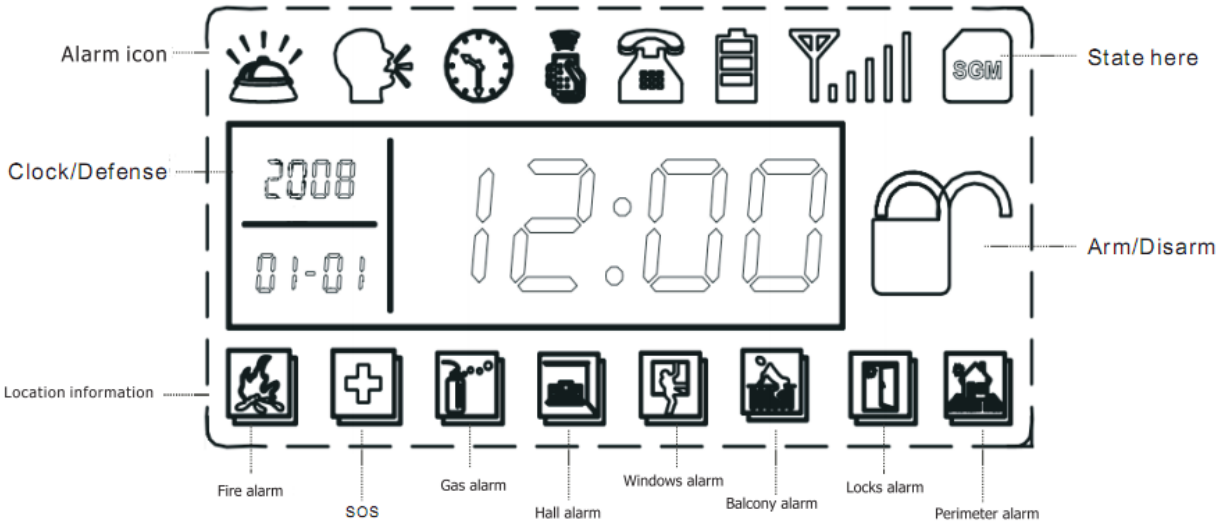
Installation drawing on the back:



wire connecting terminal:



LCD display:



6. Function Programming

Tips:

The Administrator password is for setting the parameters, the User password is for operating the units after setup. Can not setup the administrator password the same as the user password.

6.1 Initialization

Please insert SIM card and insert the adapter output terminal into the power hole of the host, and then power on the system. It will show the GSM alarm system is good when built-in buzzer rings again per second with the signal light flashing again per second, and about 15 seconds a long ring with the signal “five lattice” on the screen. The signal lights flash every one seconds if the alarm system is good.

Last, please turn on the backup battery switch.

6.2 System setting

In the state of disarm, input 4- digit administrator password by the keypad on the host and press [#] button to confirm. You will hear a voice prompt: please enter instruction. At the same time,[set] indicator is on without flashing and [- - - -] displays on the screen, indicating the system enters setting status. You can perform different settings repeatedly as long as the system keeps in setting status. The system will exit setting mode and return to disarm status. The system will exit setting mode and return to disarm status if you don't press any keypad button for 40 seconds.

Note: The default administrator password is [6666].

Operating method: **[XXXX] ⇨[#]**

X indicates: 4-digits administrator password.

LCD display:

6.3 Exit Setting

Press [*] and [#] buttons, the host emits a long beep and exits settings. The [SET] indicator goes out and the system returns to disarm state

Operating method: **[*]⇨[#]**

6.4 Password recovering setting

Please recover password when forget the password or the host could not be operated.

In disarm status, input [0321456988] on the keypad, then press [#] to confirm. You will hear two short beeps, the [signal] flashes at the same time. Password will be recovered to the factory value. User password in the factory is 1234, and administrator password in the factory is 6666.

Operating method: **[0321456988] ⇨ [#]**

6.5 Factory Reset Setting

In disarm status, use keypad to enter [0321456987] and press [#] to confirm, all the LED indications will be on for 2 seconds and you will hear a long beep. The host recover to the factory value successfully, emptying all the settings before.

Operating method: **[0321456987]⇨[#]**

6.6 Coding of Remote Control Setting

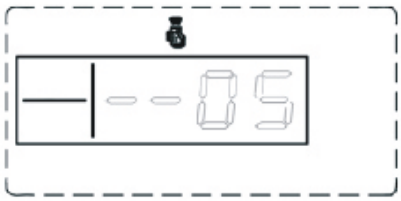
The remote controller has to be coded to the alarm host in order to perform normally. The remote control in the package was assigned to the host already.

In setting status, use keypad to enter [21] , then press [#] to confirm. The main unit emits a long beep and you will hear “remote control coding” .the [💰] indicator is on without flashing; Press any button on the wireless remote controller, the host makes a long beep and you will hear “coding completed” [💰] indicators goes out, indicating the remote controller succeeds in coding. The code of next remote controller will be displayed on the LCD screen automatically, when coding completed.

Operating method: **[21]⇨[#]**

Notes: The same remote controller could be coded just one time. You can add maximum 5 remote controls.

LCD display:



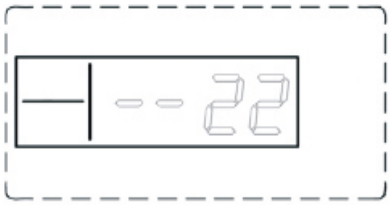
6.7 Remote Control Deleting Setting

The remote controller can’t control the host after it is deleted.

In setup state, use keypad to enter [22], then press [#] to confirm. The main emits a long beep and the [signal] indicator flickers once. You will hear a voice prompt “delete completed”

Operating: **[22] ⇨ [#]**

LCD display:



6.8 Coding of Wireless Detector Setting

Wireless detectors have to be coded to the host in order to trigger its alarm.

In setup state use keypad to input [23], input the defense zone number you want to code [02~97], and then press [#] to confirm. The host emits a long beep and the corresponding defense zone is displayed on the screen. You will hear a voice prompt “detector coding”. Then trigger a wireless detector to emit a wireless signal; after receiving the signal, the host makes a long beep, and you will hear “ coding completed”, the [💰] indicator goes out at the same time.

Operating method: [**23]⇨[XX]⇨[#]**

XX Indicates:02~97 defense zones number

Operating method: **[23]⇨[02]⇨[#]**

LCD display:

6.9 Single Wireless Detector Deleting Setting

The wireless detector can't control the host after it is deleted.

In setup state, enter [24] and then press the [02~97] defense zone number needs to be deleted, finally press [#] to confirm. The host emits a long beep and the defense zone indicator flickers once. You will hear a voice prompt "delete completed".

Operating method: **[24]⇨[XX]⇨[#]**

XX indicates:02～99 defense zones number。

Example:Delete second defense zones

Operating method: **[24]⇨[02]⇨[#]**

LCD display:

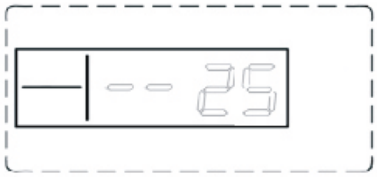
6.10 All Wireless Detector Deleting Setting

The wireless detector can't trigger the host to alarm after the whole deletion.

In setup state, use keypad to input [25], and then press [#] to confirm. The host emits a long beep and the defense zone indicator flickers once. You will hear a voice prompt "delete completed".

Operating method: **[25]⇨[#]**

LCD display:



6.11 Zone Attribute Setting

Various zone attribute is convenient to decide which detector will be alarmed.

There are 4 choice:

0: Disable, This zone will not trigger the host to alarm in any status.

1: Away Armed,This zone will trigger the host to alarm whether in away arm or stay.

2: Stay,This zone will trigger the host to alarm only inaway armed state; if the host is in Stay state, the detector cannot trigger the host to alarm.

3: 24Hour Zone, This zone will trigger the host to alarm in any status.

Wireless zone attribute setting

In setup state use keypad to input [26], and then press the defense zone [02~97] and then input [0~3] for the zone attribute, finally press [#] to confirm. The host emits a long beep and the defense zone indicator flickers once. You will hear a voice prompt "setting completed"

Operating method: **[26]⇨[XX]⇨[Y]⇨[#]**

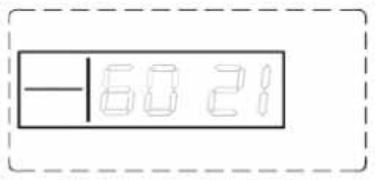
XX indicates: two defense zones number.

Y indicates: one defense zone attribute.

Example: setting 02 defense zone attribute to be Away Arm.

Operating method: **[26]⇨[02]⇨[1]⇨[#]**

LCD display:



Wired zone attribute setting

In setup status use keypad to input [47], and then press the defense zone [81~88] and then input [0~3] for zone attribute, finally press [#] to confirm. The host emits a long beep and the defense zone indicator flickers once. You will hear a voice prompt “setting completed”

Operating method: **[47]⇨[XX]⇨[Y]⇨[#]**

XX indicates: two defense zones number.

Y indicates: one defense zone attribute.

Notes: wired defense zone of Z1 is equal to zone of 81, wired defense zone of Z2 is equal to zone of 82, wired defense zone of Z8 is equal to zone of 88 in turn.

Example: zone attribute for defense zone of Z2 is set to Away Armed.

Operating method: **[47]⇨[82]⇨[1]⇨[#]**

LCD display:

6.12 Siren Prompt setting

In arm or disarm, external siren prompt arm or disarm.

In setup status, press[31] on the keypad, then enter[0~1], finally press [#];The host makes a long beep. A “setting completed” voice prompt appears.

Operating method:**[31]⇨[X]⇨[#]**

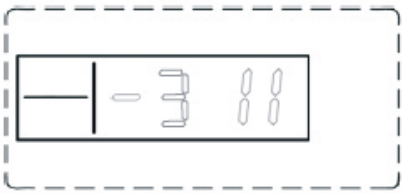
X =“0” indicates:External siren prompt closed;

X =“1” indicates:External siren prompt open;

Example: Detailed operating of external siren prompt open

Operating method:**[31]⇨[1]⇨[#]**

LCD display:



6.13 Siren Sound Time setting

In setup state, press[32] on the keypad, then enter time [00~15] minutes, finally press [#]; The host make a long beep,

Operating method: **[32]⇨[XX]⇨[#]**

XX indicates: siren sound time, unit “minute”.

Example: Set 5 minutes of siren sound time.

Operating method: **[32]⇨[05]⇨[#]**

LCD display:

6.14 Arm Delay Time Setting

When press down the Away Armed button, the host will arm according to the delayed time after setting.(If armed by SMS or Remote or phone, no any delay.)

In setup status, enter [33], then input [00~99], press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

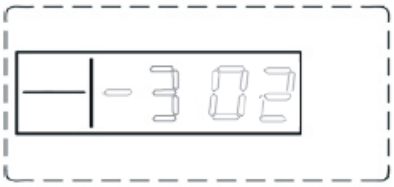
Operating method: **[33]⇨[XX]⇨[#]**

XX indicates:Arm delayed time, unit: second.

Example: detailed operating of 2 seconds delayed time arm.

Operating method: **[33]⇨[02]⇨[#]**

LCD display:



6.15 Alarm Delay Time Setting

Alarm delay time setting is that the host will not alarm until delay timeout.

In setup state, press [34], then input delayed time [00~99] seconds, finally press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

Operating method: **[34]⇨[XX]⇨[#]**

XX indicates:Alarm delay time, unit: second

Example: Detailed operating of 5 seconds alarm delayed time

Operating method: **[34]⇨[05]⇨[#]**

LCD display:

6.16 Telephone Dial-up Cycle Times Setting

Alarm dial-up cycle times are the times of dial-up from the beginning again, if all the phone numbers are dial-up, but no answer.

In setup state, press [35], then input delayed time [00~99] seconds, finally press[#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

Operating method: **[35]⇨[XX]⇨[#]**

XX indicates: Telephone dial-up cycle times.

Example: Detailed operating about 2 cycle times.

Operating method: **[35]⇨[02]⇨[#]**

LCD display:

6.17 Dial-in Ringing Times Setting

Users dial-in the host, the host will ring how many times then voice prompt to input password to get remote control setting to the host.

In setup state, press [36], then input delayed time [0~9] sec., finally press[#] to confirmed. Main unit make a long beep. A “setting completed” voice prompt appear.

Operating method: **[36]⇨[X]⇨[#]**

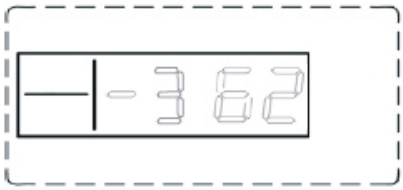
X indicates:ring times;

Example: After receiving two ringing signals, start the host to work remote control

Operating method: **[36]⇨[2]⇨[#]**

Notes: The host remote control closed , when ringing times is set to 0

LCD display:

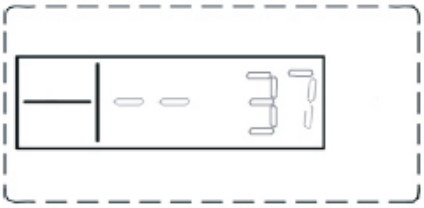


6.18 Vocie Recording

In setup state, use keypad to input [37],and then press[#] to confirm.The host will emits a beep and the [ ] indicator is on, and after 10 seconds count down, recording starts: record at 30cm away from the host with moderate tone;10 seconds later, the host will make a beep indicating the recording finish and the recorded voice will replay.

Operating method: **[37]⇨[#]**

LCD display:



Note: when you need to change the content of recording, just store your new one.

6.19 Modify Passwords

*****Change User Password**

User password is the key to enter the host operating system when start Disarm or Remote Control.

In setup state, use keypad to input [38], then input the 4- digit new password, finally press [#] to confirm. The main unit will make a long beep and you will hear a voice prompt “ setting completed”.

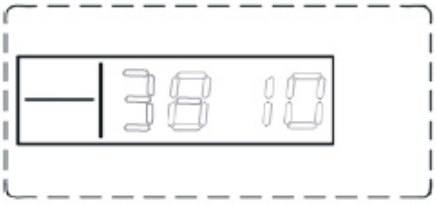
Operating :**[38]⇨[XXXX]⇨[#]**

XXXX indicates:the new 4-digit password

Example: change the system password to 1012;

Operating: **[38]⇨[1012]⇨[#]**

LCD display:



*****Change Administrator Password**

Administrator password is the key to enter the host system when need function setting.

In setup status, use keypad to input [39], then input the 4- digit new password, and then press [#] to confirm. The host emits will make a long beep and you will hear a voice prompt " setting completed".

Operating: **[39]⇨[XXXX]⇨[#]**

XXXX indicates: the new 4-digit password

Example: change the system password to 2846

Operating: **[39]⇨[2846]⇨[#]**

LCD display:

Note: The user password and the Administrator password cannot be the same.

6.20 Keypad lock setting

In setup state, press [40], then input [0~1], finally press [#] to confirmed. The host makes a long beep. A "setting completed" voice prompt appears.

Operating: **[40]⇨[X]⇨[#]**

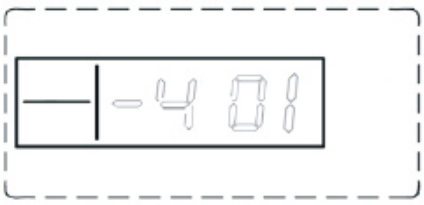
X="0" indicates: Keypad unlock .while Arm/Disarm/Stay by the keypad will not require enter password.

X="1" indicates: Keypad lock. While Arm/Disarm/Stay by the keypad, will require enter password.

Example: Open the keypad lock function.

Operating: **[40]⇨[1]⇨[#]**

LCD display:



6.21 Timing Function Setting

In setup state, press [41], then choose on/off timing Arm or Disarm function key［1/0］, finally press [#] to confirm, The host makes a long beep. A "setting completed" voice prompt appears. Factory default closed.

Operating: [41] [1/0] [#]

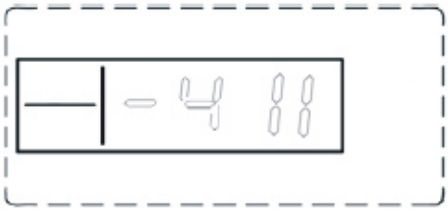
X="0" indicates: close all timing Arm/Disarm function.

X="1" indicates: Open all timing Arm/Disarm function..

Example: Indicates: Open all timing Arm/Disarm function

Operating: **[41]⇨[1]⇨[#]**

LCD display:



6.22 Timing Arm /Disarm Setting

Timing arm or disarm is convenient to arm or disarm at the necessary time.

In setup state, press [42], and then input disarming time [AABB], and then input arming time [XXYY], finally press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

Operating: **[42]⇨[AABB]⇨[XXYY]⇨[#]**

“AABB” indicates: disarming time—hour and minute

“XXYY” indicates: arming time—hour and minute

Example: set disarming is 8:20 and arming time is 20:30.

Operating: **[42]⇨[0820]⇨[2030]⇨[#]**

LCD display:

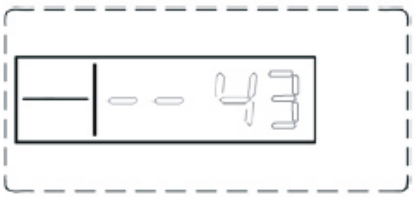
6.23 Reset The Settings

All telephone number will be deleted automatically when main host reset.

In setup status, first press [43], then press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

Operating: **[43]⇨[#]**

LCD display:

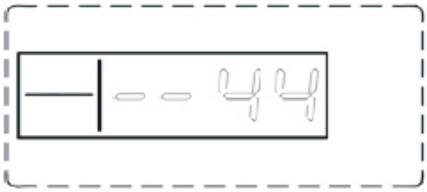


6.24 Inquire Historical Record

In setup state, first press [44], then press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears. Press “2” to page down and press “8” to page up.

Operating: **[44]⇨[#]**

LCD display:

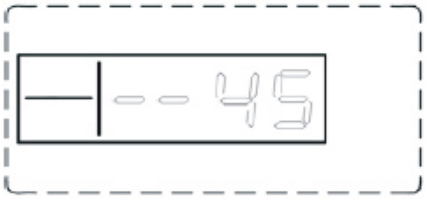


6.25 Delete Historical Record

In setup state, first press [45], then press [#] to confirm. The host makes a long beep. A “setting completed” voice prompt appears.

Operating: **[45]⇨[#]**

LCD display:



6.26 Arm/ Disarm Uploading to the 1st SMS Alert Number

To ensure safety, alarm receiving centre need to be informed or not when arm/ disarm, the 3rd SMS Alert number must be setup firstly, otherwise this function will be invalid.

In setup status, first press [46]. Then choose whether 1st SMS Alert Number need to be informed [0/1], finally press [#] to confirm. The host makes a long beep. A “setting completed, please enter instruction” voice prompt appears. Factory value is [0]: do not inform the 1st SMS Alert Number.

Operating: **[46]⇨[0/1]⇨[#]**

“1” indicates: inform the 1st SMS Alert Number..

“0” indicates: don’t inform the 1st SMS Alert Number.

LCD display:

6.27 Clock Setting

In setup state, use keypad to input [48], then input the last 2 digits [AA] of the present year, the two digits [BB] of the month, the two digits [CC] of the date. The two digits [DD] of the hour (24-hour system), the two digits [EE] of the minute, and finally enter [#] to confirm. You will hear a long beep and a voice prompt “setting completed”.

Operating: **[48]⇨[aa]⇨[bb]⇨[cc]⇨[dd]⇨[ee]⇨[#]**

“aa” indicates: the last 2 digits of the present year

“bb” indicates: the 2 digits of the present month

“cc” indicates: the 2 digits of the present date

“dd” indicates: the 2 digits of the present hour

“ee” indicates: the 2 digits of the present second

Example: set the time as 17:30, June, 12th, 2012

Operating: **[48]⇨[12]⇨[06]⇨[12]⇨[17]⇨[30]⇨[#]**

LCD display:

6.28 The 1st and 2nd SMS Alert Phone Number Setting

In setup state, enter [49~50], then input phone number, finally press [#] to confirm. The host makes a long beep, the [signal] flashes at the same time. You will hear a voice prompt: setting completed.

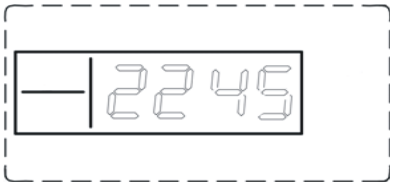
Operating: **[49]⇨[YY…YY]⇨[#]**

YY…YY Indicates: phone number

Example: set 008613500001111 to be first group alarm phone number(Please include your country code, e.g.: in China is 0086, inUK is 0044)

Operating: **[49]⇨[** 008613500001111**]⇨[#]**

LCD display:



Delete the first Phone number**: [49]⇨ [#]**

6.29 Alarm Auto-Dial Phone Number Setting

In setup state, enter [51] ~ [56], then input phone number, finally press [#] to confirm. The host makes a long beep, the [signal] flashes at the same time. You will hear a voice prompt: setting completed.

Operating**: [XX]⇨[YY…YY]⇨[#]**

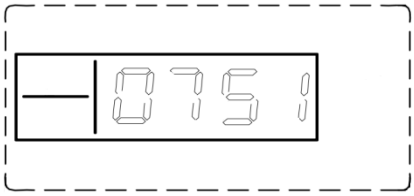
XX indicates: address code [51] ~ [56] of 1-6 group alarm phone number

YY…YY indicates: phone numbers set well

Example: set 13811110751 to be first group alarm phone number

Operating: **[51]⇨[13811110751]⇨[#]**

LCD display:



Delete Phone the first number: **[51]⇨ [#]**

6.30 The 3rd and 4th SMS Alert Phone Number Setting

In setup status, enter address No. [57] ~ [58], then input phone number, finally press [#] to confirm. The host makes a long beep, the [signal] flashes at the same time. You will hear a voice prompt: setting completed.

Operating: **[XX]⇨[YY…YY]⇨[#]**

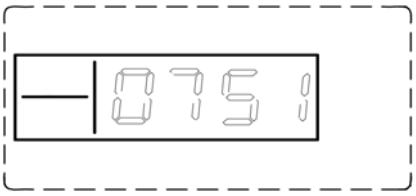
XX indicates: the 3rd and 4th SMS alert number address [57] ~ [58]

YY…YY indicates: telephone (mobile)number set well

Example: set [008613577778888] to be the 3rd SMS Alert Number,

Operating: [57]⇨[008613577778888]⇨[#]

LCD display:



Delete Phone the 3rd SMS Alert Phone number**: [57]⇨ [#]**

6.31 Defense Zone Alarm Type Setting

In setup state, first press the host keypad to input address code [60] , choose the corresponding defense zone code [02] ~ [97] , and then input [1 ~ 8] defense zone alarm type, finally add [#] key to confirm. Voice prompt: setting completed .

Operating: 【60】⇨【XX】⇨【 A 】⇨【 # 】

XX indicates defense zone code: [02] ~ [97] , matching 02 to 97 defense zones correspondingly.

A stands for Alarm Type: [1] SOS Alarm, [2] fire alarm, [3] gas leak alarm,[4] door lock alarm, [5] hall alarm, [6] window

alarm,[7]balcony alarm, [8] perimeter alarm.

Example: 10-defense zone fire alarm operation

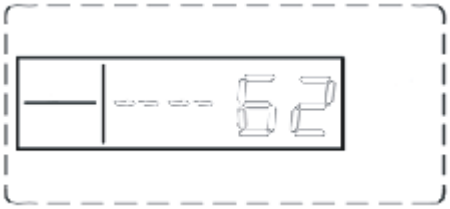
Operating: 【60】⇨【 10 】⇨【 2 】⇨【 # 】

6.32 Inquire GSM Signal

In setup state, press [62] and then press [#] to confirm. The host makes a long beep, you will hear a voice prompt: “setting completed”. GSM signal value displays.

Operating: **[62]⇨[#]**

LCD display:



7.Operation Instructions

Tips!

1. *The user can arm/disarm/Stay (Partial armed) by Remote Control, Dial in, and, SMS, Another, the user can switch on or off the Siren by SMS Commands.*
2. *Mode explanation*

   Armed: Away, In this mode, any detector triggered will cause alarm. It be used for away the home and need to protect all of the home or office or store,etc.

   Stay: Partial armed, at home, in this mode, only the outer zones and emergency zones triggered will cause alarm, the inner zone triggered will not cause alarm. It be used for partial armed, e.g.: some people at home, and need to monitoring the outer security.

   Disarmed: Except the 24 Hours emergency zones triggered will cause alarm, all of the other zones triggered will not cause alarm. Usually for maintain or other special requirements.
3. *Alarm Occurrence*

   1) *When alarm occurrence, the S100Pro will send out Alarm SMS Content firstly, then automatically dial the authorized numbers one by one, if picked up the call, the S100Pro will stop to sound and prompt voice menu for operation, If nobody picked up or rejected, the S100Pro will dial all of the authorized numbers 3 times in cycle then stop to dial any more. Meanwhile, the S100Pro will enter to previous status.*

7.1 Main Host Status

System status: There are 4 status types as follows:

1) **Away Arm:** Defense zone 02-97 will alarm when detectors are triggered
2) **Stay(At Home):** The defense zone which is set as [Stay], when detectors are triggered.
3) **Disarm:** Defense zone 02-97 will not alarm when detector triggered (except 24 hours defense zone).
4) **System setup status:** In this status, all defense zones will not alarm when detectors are triggered.

7.2 Remote Control Operation

User can use remote control to set system as Arm, Stay, Disarm, and SOS. The button as below:

7.3 Away Arm

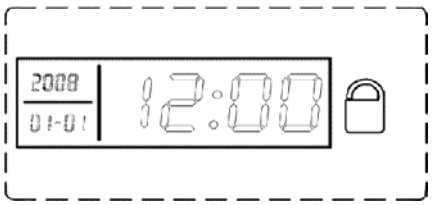
It means to guard all around your house while everyone is going out; all the detectors of the host are alway s working; when the detector is triggered by detecting source(anti-theft, fire prevention, gas leak, etc), the alarm system will sound the alarm.

Press [🔒] button on keypad, system will make a beep per second and totally 100 beeps. The [🔒] indicator will be on without flashing. It means Away Armed is set successfully.

Operating: press [🔒] of remote control

The Host Operating: [🔒] (keypad lock is closed or [🔒] + [user password] + [#] (keypad lock is open)

LCD display:

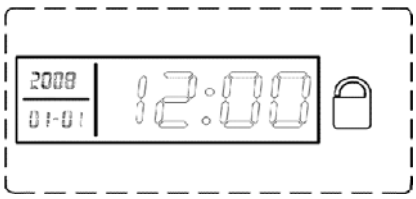


7.4 Stay

It means, for the safety, while somebody is at home, you need to enable the peripheral: door, window, balcony and boundary detectors of the alarm system while prevent from triggering the indoor detectors, which may cause improper warning; then, you shall select Stay, let just part of the detectors work and disable the other parts.

Press the Stay Button on the keypad.

LCD display:



7.5 Disarm

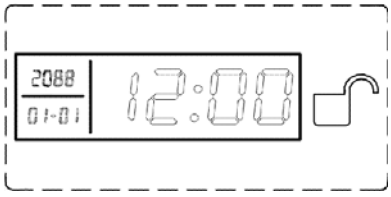
It means to stop the alarm when the host sounds the alarm or makes the alarm system in the state of non-warning. After disarming, even if you trigger the detector, the host would not sound alarm (excluding 24- hour defense areas).

If keypad lock is closed, press [🔓] on keypad directly to disarm. If keypad lock is open, press [🔓], and follow voice prompt enter [user password, finally press [#] to confirm. [Out home] or [Home] signal light is off. Disarming operation is completed.

Remote Control Operation: Press [🔓].

The Host Operating: Press [🔓] .

LCD display:



7.6 Answer Alarm Call

When the host sounds alarm, Siren releases voice prompt at once: first, would send out SMS, telling user which defense zone has alarm, then it will dial the preset numbers. If no one answers the call, the system

will call the next user number automatically. The system will call each preset numbers for 3 times in order.

If you answer the all, you will hear the pre-record voice. You can set system via your telephone or mobile phone keypad.

If you hang-up directly without answering the call, system will call each preset number for 3 times circularly.

Press [*]: Read the alarm information.

Press [1]: The host stops alarming and to Arm; it stops calling users.

Press [2]: The host stops alarming and to Disarm; it stops calling users.

Press[3]: The host closes Siren and monitors the scene for 30 seconds, for continuous monitoring, press [3] again to monitor the abnormal sounds or a burglar intrusion for another 30 seconds.

Press [4]: start talkback 30s.

Important: Please remember press # to exit, otherwise, the host will call next phone number.

7.7 Remote control by call in

The telephone (mobile) is connected to alarm host number, and after ringing times setting, the telephone receiver prompts computer-generated voice: “Please enter password”.***(Important: every second enter only 1 digit, and the host will make di sound to confirm then you can start to enter the next digit, otherwise will warning wrong password.)*** The password is user password and entered via telephone (mobile). For wrong password, the host gives prompt: “wrong password, please enter password again”. For correct password, the telephone receiver prompts “press ① to arm, press ② to disarm, press ③ to monitor, press 4 to talk ”. And after it is accessed, phone button could be used for remote control.

Press [1]: the host enters Arm state and voice prompts “Armed”.

Press[2]: the host enters Disarm state and voice prompts “Disarmed”.

Press [3]: the host enters monitoring state for 30 seconds and press [3] for 30 seconds delay repeatedly in case of continuous monitoring.

7.8 SMS Commands for Arm(Away) or Disarm or Switch On/Off Siren.

The User can Arm/Disarm/Switch on or off the siren by sending SMS to the S100Pro. The SMS Commands are below:

Notice:

The system will carry out the commands immediately (with no delay) after the S100Pro receive this SMS command.

Armed(Away)

xxxxAA “xxxx” stands for the user password (4 digits). Return SMS Armed	Example 1234AA When the Password is 1234

Disarm

xxxxBB “xxxx” stands for the user password (digits). Return SMS Disarmed	Example 1111BB When the Password is 1111

Switch On the Siren

xxxxCC
"xxxx" stands for the user password (4 digits).
Return SMS
Siren ON.

Example
1111CC
When the Password is 1111

Switch OFF the Siren

xxxxDD
"xxxx" stands for the user password (4 digits).
Return SMS
Siren OFF.

Example
1111DD
When the Password is 1111

Inquiry Status

xxxxEE
"xxxx" stands for the user password (4 digits).
Return SMS
Armed or Disarmed
AC Power ON or AC Power off.

7.9 iOS App and Android Apps Instructions

The user can operate the S100Pro by Android Apps and iOS. Both of them are free charge. For Android Apps, please download from our official website, and download the iKeyPad from Apple Store. The interface of these tools please see below.

7.10 SOS for Help

Some special cases occur in the family: sudden illness for the elderly or children results in first aid; in case of sudden fire, help is needed; in case of housebreaking, the alarm is required; So please just press the

host keypad “Emergency Alarm[SOS]” ,remote control key [**!**]. Alarm system will immediately call the preset Auto dial phone numbers.

Remote operation: press remote control [**!**]. The siren will sounds

Keypad operation: press console keypad [SOS].the siren will not make sounds.

7.11 Used as a Phone Dialer

This alarm system has dial-up function and could be used as mobile phone.

Enter phone number, then press [*/] , main host makes a long beep, [signal] light starts flashing at the same time. Call completed, press [*/] , hang up, Main host will be in disarming state.

8. Wireless Detectors activated method

a) Remote Control and Wireless Detectors activated method:

For remote control, press any key then can activate it, no need to press all of them.

The wireless door contact can be triggered by dispatch the two parts when installed battery inside;

The wireless PIR Motion Detectors can be triggered by pass though its front when switched on;

The wireless panic buttons can be triggered by press its button;

The wireless gas leakage or wireless water leakage and wireless smoke detector equips Test Button, press the Test Button then can trigger them.

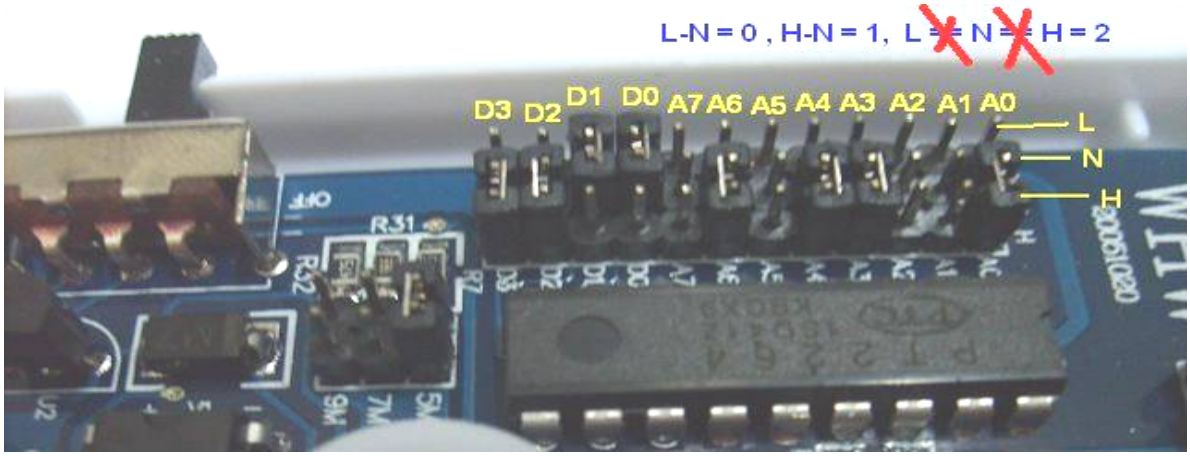
The other wireless detectors please reference its user instructions.

*b) When the wireless PIR Motion detection is PIR-100B, please remember setup the PIR-100B to **Test Mode** while learning to the S100Pro, after learned to the S100Pro, then please setup to **Normal Mode** by change the Black PIN Jumpers in the PCB, please see the PIR-100B user manual.*

c) The differences of PIR Motion Curtain Motion and Ceiling motion detector are the detection direction areas.

d) When the wireless Detectors is PT2262 fixed IC code, please setup its wireless code by use some Jumpers to configured it randomly, recommend 4~6 jumpers, see below:

1) *Removing the back cover carefully;*
2) *Locate the IC boards black jumpers, labeled A0-A7 and D0-D3, please see below figure.*
3) *Configured the A0~A7 and D0~D3 different from each wireless detectors. If configured the A0~A7 and D0~D3 are the same, the system will treat them as the same one sensor. So if you want to add more than one wireless detector to any zone, please configure the jumpers as the same in the wireless detectors.*
4) *Also, please check the Resistors value is 3.3M Ohm, there’re 3 Jumpers, 1.5M, 3.3M, and 4.7M. if you select incorrect value, the wireless distance usually very short or cannot learn to the S100Pro.*



1) Some popular wireless detectors

PIR Motion Detector

Dual-Element PIR Motion Detector

Ceiling PIR Motion Detector

Door Contact

Door Contact

Garage Door Contact

Photoelectric Beams Detector

Microwave Dual PIR Detector

Gas Leakage Detector

Smoke Detector

Water leakage overflow detector

Necklace Waterproof Panic Button

Emergency Button

Wireless Signal Repeater

9. Technical specifications

Rated Voltage: 12VDC 2A

Standby current: Less than 50mA

Working Current: Less than 435mA

Working temperature: -10℃～+60℃

Storage temperature: -20℃～+60℃

Relative humidity: 10-90%, No condensation

Work frequency: 850/900/1800/1900MHz

Communication protocol: GSM PHASE 2/2+ (include data service)

Wireless sensor receiving frequency: 433.92 MHz

Wireless sensor permission quantity: 96Pcs

Remote Control permission quantity: 5Pcs

Wired Zones: 8

Effective distance wireless of remote control: 100 m

Battery: NI-HI battery: 1200mAH, AAA*6 DC7.2V

Standby time Approx.12hours (depending on the network condition)

Size: 180mmX130mmX30mm (LXWXH)

Net Weight: 0.45Kg

10. Maintenance

1) In case of failure, please contact the distributor or manufacturer.
2) If the remote control works, but the S100Pro fails to send SMS texts, switch the power of S100Pro off and switch it on after one minute. Test this system after another minute, or check the settings are correct and the GSM Signals are strong enough.
3) If the S100Pro can run and sensors work, but cannot send SMS texts, please change SIM Card to check it.
4) If the problem cannot be solved, please contact the distributor or manufacturer.

11. Warranty

1) This system is warranted to be free of defects in material and workmanship for one year.
2) This warranty does not extend to any defect, malfunction or failure caused by abuse or misuse by the Operating Instructions. In no event shall the manufacturer be liable for any alarm system altered by purchasers.

12. Affix Table

Table 1. S100Pro Installation Schedule

Before install the S100Pro, please write down the installation plan firstly, it is very useful for saving your test and installation time. After installed successful, then tear down this Schedule for review in further.

S100Pro Installation Schedule

Zone No.	User Defined Value of Zones			
	Sensor Name	Zone Attribute Code	Sensor Alarm Type	Installation Place
00				
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				

S100Pro Authorized Number Schedule

SIMCard Number in the S100Pro: _____

Auto Dial Phone Number			SMS Alert Phone Number		
SN	User Name	Phone Number	SN	User Name	Phone Number
1			1		
2			2		
3			3		
4			4		
5			User Password		
6			Administrator Password		

Notice: Please mark V if for enable and X for disable.

Table 2. S100Pro Program and Operation Code List

No	Setting item	Function Code	Data Format (XY)	Remark
1	Coding of Remote Control	21	X	X=#
2	Delete Remote Control	22	X	X=#
3	Coding of Detector	23	X	X=02~99
4	Single Wireless Detector Deleting	24	X	X=02~99
5	All Wireless Detectors Deleting	25	X	X=#
6	Wireless Zone Attribute Setting	26	XY	X=02~99，Y=0~3
7	Wired Zone Attribute Setting	47	XY	
8	Siren Prompt Setting	31	X	X=1 siren prompt open， X=0 siren prompt closed
9	Siren Ring Time Setting	32	X	X=00~15 minutes
10	Arm Time Delayed	33	X	X=00~99 seconds
11	Alarm Time delayed	34	X	X=00~99 seconds
12	Telephone Dial-up Cycle Times	35	X	
13	Remote Call Ring Times	36	X	X=0~9 times
14	Change User Password	38	XXXX	XXXX= 4 digit
15	Change Administrator Password	39	XXXX	XXXX= 4 digit
16	Keypad Lock Setting	40	X	X=1 open, X=0 closed
17	Timing Setting	41	X	X=1 open time setting function X=0 close time setting function
18	Timing Arm or Disarm Setting	42	XXXX YYYY	XXXX= arm time YYYY= disarm time
19	Reset	43	X	X=#
20	Inquire Historical Record	44	X	X=#
21	Delete Historical Record	45	X	X=#
22	Arm/ Disarm Alert 1ST SMS Number	46	X	X=1 Enable X=0 Disable
23	Clock Setting	48	XXX YY	XXX=year, month，day, YY= hour, minute
24	1st and 2nd SMS Number Setting	49~50	X	X= SMS number
25	Auto dial Phone Number Setting	51~56	X	X=alarm number
26	3rd and 4th SMS Number Setting	57~58	X	X= SMS number
27	GSM Signal Checking	62	X	X=#

The End!